REMOVAL PROGRAM
PRELIMINARY ASSESSMENT/
SITE INVESTIGATION REPORT
FOR THE
JARD COMPANY INC. SITE
BENNINGTON, BENNINGTON COUNTY, VERMONT
13 AND 14 JUNE 2006

Prepared For:

U.S. Environmental Protection Agency
Region I
Emergency Planning and Response Branch
1 Congress Street, Suite 1100
Boston, MA 02114-2023

CONTRACT NO. EP-W-05-042

TDD NO. 01-06-05-0003

TASK NO. 0183

DC NO. R-4362

Submitted By:

Weston Solutions, Inc.
Region I
Superfund Technical Assessment and Response Team III (START)
3 Riverside Drive
Andover, MA 01810

August 2006

TABLE OF CONTENTS

I. Preliminary Assessment/Site Investigation Forms

EPA REGION I
REMOVAL PRELIMINARY ASSESSMENT

Site Name and Location

Name: Jard Company Inc. **Location:** 126 Bowen Road
Town: Bennington **County:** Bennington **State:** Vermont (VT)

Site Status: **( )NPL** **( )NON-NPL** **( )RCRA** **( )TSCA**
( )ACTIVE **(X)ABANDONED** **( )OTHER**

(X)Attached USGS Map of Location **(X)Site I.D. No.:** 01L2

Referral

( )Citizen **( )City/Town** **(X)State** **( )Preremedial**
( )RCRA **( )Other:**

Name of referring party: Patricia Coppolino, Vermont Department of Environmental Conservation (VT DEC)
Telephone: (802) 241-3967
Address: 103 South Main Street, Waterbury, Vermont 05671

Contacts Identified
1) Mike Rossi, Stone Environmental On-site Laboratory **Telephone:**(802) 839-0544

Source of Information

( ) Verbal:
(X) Report: *Corrective Action Feasibility Investigation Report*, prepared by Stone Environmental, 5 December 2005.
( ) Other:

Potential Responsible Parties

Owner: Jan Exman, Bennington Realty, LLC **Telephone:**(860) 349-1940
Address: 66 Old Bill Hills Road, Durham, CT 06422

Site Access

Authorizing Person: Jan Exman
Date: 1 May 2006 **(X)Obtained** **( )Verbal**
Telephone: (860) 349-1940 **( )Not Obtained** **(X)Written**

REMOVAL PRELIMINARY ASSESSMENT

Historical Preservation

( ) Site is Historically Significant or Eligible for Historic Preservation

Contacts Identified

1) State Historical Preservation Officer (SHPO)
Name: **Telephone:**( )

2) Tribal Historical Preservation Officer (THPO)
Name: **Telephone:**( )

Comments:

Physical Site Characterization

Background Information: The Jard Company Inc. (Jard) site (the site) is located on 126 Bowen Road in Bennington, Vermont. The site was a former capacitor and transformer manufacturing facility that has been unoccupied since Jard declared bankruptcy in 1989. The site encompasses approximately 14 acres and includes a vacant 120,000-square-foot building; paved parking areas; grass and lightly wooded areas surrounded by a compromised chain-link fence; and a larger undeveloped wooded area outside of the chain-link fence, extending south to the Roaring Branch of the Walloomsac River (Roaring Branch) and west to adjacent properties. The site is zoned as Industrial property.

Prior to 1969, the property consisted of undeveloped woodlands. The site operated from 1969 to 1986, producing capacitors, non-fluid transformers, and motors used in household appliances. A variety of hazardous wastes were generated at the site in association with its manufacturing processes, including polychlorinated biphenyls (PCBs); a variety of volatile organic compounds (VOCs), including trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and toluene; semivolatile organic compounds (SVOCs), including bis-2-ethylhexyl phthalate (DEHP); waste hydraulic and lubricating oils; waste paints and varnishes; waste zinc oxide; waste-contaminated rejected capacitors; spent SpeediDri$_{TM}$; and PCB- and phthalate-contaminated wastewater.

During a routine industrial waste survey performed by the State of Vermont in October 1979, inspectors noted an area of dark, oil-stained soil located beneath a vent pipe on the south wall of the building. Analysis of soil collected from the approximate 100-square-foot area indicated the presence of PCBs in the form of Aroclor-1016. A similar inspection in 1987 identified a dust collector that had zinc oxide adjacent to it and a dry well that reportedly had received PCB-contaminated wastewater. In September 1989, VT DEC conducted a final Resource Conservation and Recovery Act (RCRA) inspection at approximately the same time that Jard announced that it was in bankruptcy proceedings. During this inspection, additional hazardous waste concerns were identified, including a number of drums and process-related equipment.

Physical Site Characterization (Continued)

Following these initial events, a number of investigations and removal actions were conducted by various State and Federal agency contractors in an attempt to characterize site conditions and abate imminent threats to human health and the environment, including drum/container removal, soil removal, and fence installation. Previous sample results indicated the presence of PCBs up to 1,400 milligrams per kilogram (mg/kg) in on-site concrete slabs, up to 32,000 mg/kg in sub-slab soils, and up to 74 mg/kg in surface soils. Previous sample results also indicated the presence of zinc up to 205 mg/kg in dust and 100% in duct work within the zinc hopper; trichlorofluoromethane up to 35,000 micrograms per cubic meter ($\mu g/m^3$) during sub-slab soil gas surveys; TCE, 1,1,1-TCA, 1,1-dichloroethane (1,1-DCA), toluene, xylenes, and dichlorobenzene up to 1.5 mg/kg in sub-slab soils; and DEHP up to 22,000 mg/kg in trench sludge samples.

On 19 May 2006, EPA, START, and a VT DEC representative conducted a site reconnaissance to determine the sample activities for the June 2006 event. It was determined based on VT DEC sample results from August 2005 that approximately 1/3 of the sample locations would be recreated and collected as confirmatory samples and analyzed on site by VT DEC subcontractor, Stone Environmental, Inc.

Description of Substances Possibly Present, Known or Alleged:

In 1997, a fire occurred at the site which significantly damaged a portion of the building and potentially affected the nature and distribution of contaminants at the site. The site has been owned, operated, and officially or unofficially controlled by various parties since Jard entered into bankruptcy in September 1989.

In February 2005, the Town of Bennington, planning to take title of the Jard property by tax sale, was awarded EPA funding to conduct a Targeted Brownfields Assessment (TBA) at the site as administrated through a grant to the VT DEC, Brownfields Program. Stone Environmental, Inc. (Stone) was awarded a contract by VT DEC to conduct the TBA.

During August 2005, Stone conducted the TBA and investigated the surficial features of the site, with a goal of expediting site re-use.

The TBA revealed widespread PCB contamination of interior building materials; a soil gas plume (trichlorofluoromethane) beneath the concrete slab; SVOC, VOC, and PCB contamination in the sub-slab soils; PCB contamination in exterior surface soil and deep [2.5 to 5.0 feet below ground surface (bgs)] vadose zone soils; PCB contamination in shallow overburden groundwater; and migration of a co-mingled groundwater plume from where it was observed in previous investigations. In addition, the TBA confirmed impact to the Town of Bennington municipal sanitary sewer system by site-related PCBs. There was also PCB contamination detected in interior wall surface (wipe) samples at 3,400 micrograms (µg) per 100 square centimeters.

REMOVAL PRELIMINARY ASSESSMENT

Existing Analytical Data

( ) Real-Time Monitoring Data:

(X) Sampling Data:

Analytical data were generated during EPA's Emergency Planning and Response Branch (EPRB) Removal Program Preliminary Assessment/Site Investigation (PA/SI) conducted at the site on 19 March 1991, and during the subsequent removal action conducted by EPA and its contractors between 6 January and 11 November 1992.

Soil, sediment, and concrete samples collected during PA/SI activities conducted at the site by START on 17 September 1997 and 29 October 1997 were analyzed for PCBs.

Multimedia sampling results are discussed in detail in the report entitled, *Corrective Action Feasibility Investigation Report*, prepared by Stone Environmental, 5 December 2005.

Potential Threat

Description of potential hazards to environment and/or population-identify any of the criteria for a Removal Action (from NCP) that may be met by the site under 40 CFR 300.415 [b] [2].

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

REMOVAL PRELIMINARY ASSESSMENT

Prior Response Activities

( ) PRP **(X) STATE** **(X) FEDERAL** **( ) OTHER**

Brief Description:

EPA's EPRB conducted a Removal Program PA/SI at the site on 19 March 1991. Results of the PA/SI indicated that conditions at the site warranted a removal action. EPA and its contractors mobilized to the site and conducted a removal action between 6 January and 11 November 1992.

On 17 September 1997 and 29 October 1997, START conducted PA/SI activities at the site.

During August 2005, Stone Environmental, contractor for VT DEC, conducted a TBA.

Priority for Site Investigation

(X**) High** **( ) Medium** **( ) Low** **( ) None**
Comments:

Report Generation

Originator:	Alysha Thompson	**Date:**	19 June 2006
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2115
TDD No.:	01-06-05-0003	**Task No.:**	0183-00

EPA REGION I
REMOVAL SITE INVESTIGATION

Inspection Information

Site Name: Jard Company Inc. **Address:** 126 Bowen Road
Town: Bennington **County:** Bennington **State:** Vermont (VT)
Date of Inspection: 13 to 14 June 2006 **Time of Inspection:** 0730 hours to 1600 hours
Weather Conditions: Sunny; temperature around 75 degrees Fahrenheit (^{o}F).
Site Status at Time of Inspection: **( ) ACTIVE** **(X) INACTIVE**
Comments:

Agencies/Personnel Performing Inspection

	Names	Program
(X) EPA:	Allen Jarrell	U.S. Environmental Protection Agency (EPA), Region I, Emergency Planning and Response Branch (EPRB), On-Scene Coordinator (OSC).
(X) EPA Contractor:	Alysha Thompson Bonnie Mace Eric Ackerman Shalu Shelat	Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team III (START).
(X) State:	Patricia Coppolino	Vermont Department of Environmental Conservation (VT DEC)
(X) Other:	Mike Rossi	Stone Environmental, VT DEC On-Site Laboratory Contractor

Current Owner Based on Field Interview:
Jan Exman, Bennington Realty, LLC

Physical Site Characteristics

Parameter	Quantities/Extent
( ) Cylinders:	
( ) Drums:	
( ) Lagoons:	
( ) Tanks: ( ) Above:	
( ) Below:	
( ) Asbestos:	
( ) Piles:	
( ) Stained Soil:	
( ) Sheens:	
( ) Stressed Vegetation:	
( ) Landfill:	
(X) Population in Vicinity:	A baseball field is located west of the site, and residences are located approximately 1/2 mile from the site.
( ) Wells: ( ) Drinking:	
( ) Monitoring:	
( ) Other:	

Physical Site Observations

During site activities, START observed that the building was in poor condition, the roof of the Production Area was collapsing, and there was debris located throughout the building.

Field Sampling and Analysis

Matrix/Analytical Parameter	Field Instrumentation CGI/O_2	RAD	PID	FID	Other
Background Readings:	0.0/20.9%		0.0 units	0.0 units	
Air:					
Soil:	0.0/20.9%		0.0 units	0.0 units	
Surface:					
Water:					
Tanks:					
Drums:					
Vats:					
Lagoons:					

Field Sampling and Analysis (Concluded)

Matrix/Analytical Parameter	Field Instrumentation CGI/O_2	RAD	PID	FID	Other
Spillage:					
Run Off:					
Piles:					
Sediments:					
Groundwater:					
Other:					

Field Quality Control Procedures

(X) SOP Followed **( ) Deviation From SOP**

Comments: START personnel conducted sampling activities in accordance with the site Sampling and Analysis Plan, entitled *Sampling and Analysis Plan for the Jard Company Inc. Site, Bennington, Vermont,* dated May 2006.

Description of Sampling Conducted

On 13 June 2006, OSC Allen Jarrell and START members Alysha Thompson, Bonnie Mace, Eric Ackerman, and Shalu Shelat arrived at the site to conduct Removal Program Preliminary Assessment/Site Investigation (PA/SI) activities. All personnel reviewed and signed the site Health and Safety Plan (HASP), which had been prepared as a separate document, entitled *Weston Solutions, Inc., Region 1 START Health and Safety Plan for the Jard Company Inc Site, Bennington, Bennington County, Vermont*, dated May 2006. START personnel established a support zone and calibrated air monitoring instruments, including a photoionization detector/flame ionization detector (PID/FID) combination unit and a combustible gas indicator/oxygen meter (CGI/O_2). Ambient conditions were recorded in the site HASP as follows: PID = 0.0 units; FID = 0.0 units; lower explosive limit (LEL) = 0%; and oxygen (O_2) = 20.9%. During site activities, START personnel photodocumented site conditions.

START members Thompson and Ackerman conducted a reconnaissance of the interior of the buildings to establish the concrete floor sample locations and the wipe sample locations using the map created by VT DEC contractor, Stone Environmental, Inc. START members Mace and Shelat conducted a reconnaissance of the exterior of the building to establish the surface soil and subsurface soil sample locations using the Global Positioning System (GPS) Waypoint Navigation feature and using the GPS locations documented by Stone Environmental, Inc. during the August 2005 sampling event.

At the conclusion of the interior and exterior reconnaissance, 16 concrete floor sample locations, five wipe sample locations, 26 surface soil sample locations, and five subsurface soil sample locations were established for on-site polychlorinated biphenyl (PCB) analysis, which was conducted by Stone Environmental, Inc.

Description of Sampling Conducted (Concluded)

START members Thompson and Ackerman collected the five wipe samples adjacent to the locations collected by Stone Environmental, Inc. in August 2005 and delivered the samples to the on-site mobile laboratory (see Appendix A - Figure 3). At the conclusion of the wipe sampling event, START member Ackerman began the collection of the concrete floor samples using a rotary hammer to drill cores in the concrete floor (see Appendix A - Figures 3 and 3A). Of the 16 concrete floor samples, START member Ackerman collected 13 due to the battery in the rotary hammer being discharged. The remaining three concrete samples were collected on 14 June 2006. Twenty-six surface soil and five subsurface soil samples were collected by START on 13 June 2006 and delivered to the on-site mobile laboratory.

Of the samples collected and analyzed on site, 10 percent of the samples were sent for confirmatory analysis at the U.S. EPA Office of Environmental Measurement and Evaluation (OEME) Laboratory, located in North Chelmsford, MA. All samples were delivered to OEME at the conclusion of site activities.

Analyses

Analytical Parameter	Media	Laboratory
( ) VOC	( ) AIR	(X) NERL
(X) PCB	( ) WATER	( ) CLP
( ) PESTICIDE	(X) SOIL	( ) PRIVATE
( ) METALS	(X) SOURCE	( ) SAS
( ) CYANIDE	( ) SEDIMENT	( ) SOW
( ) SVOC		(X) FIELD
( ) TOXICITY		
( ) DIOXIN		
( ) ASBESTOS		
( ) OTHER		

Analytical results: see Appendix D – Analytical Data

Receptors

Comments

( ) Drinking Water **( ) Private:** **( ) Municipal:**

( ) Groundwater:

( ) Unrestricted Access:

(X) Population in Proximity: A baseball field abuts the site to the west, and there are residences located approximately 1/2 mile from the site.

( ) Sensitive Ecosystem:

( ) Other:

REMOVAL SITE INVESTIGATION

Additional Procedures for Site Determination

( ) Biological Evaluation **( ) ATSDR**

To be determined by the Task Monitor.

Site Determination

Depending on further information, criteria that may be met by the site include 40 CFR 300.415 [b] [2], parts:

i. Actual or potential exposure to nearby human populations, animals, or the food chain from hazardous substances, pollutants or contaminants.

ii. Actual or potential contamination of drinking water supplies or sensitive ecosystems.

iii. Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release.

iv. High levels of hazardous substances or pollutants or contaminants in soils largely at or near the surface that may migrate.

v. Weather conditions that may cause hazardous substances or pollutants or contaminants to migrate or be released.

vi. Threat of fire or explosion.

vii. The availability of other appropriate federal or state response mechanisms to respond to the release.

viii. Other situations or factors that may pose threats to public health or welfare or the environment.

Report Generation

Originator:	Alysha Thompson	**Date:**	19 June 2006
Affiliation:	Weston Solutions, Inc. (START)	**Telephone:**	(978) 552-2115
TDD No.:	01-06-05-0003	**Task No.:**	0183-00

II. Narrative Chronology

Narrative Chronology

Site History

The Jard Company Inc. (Jard) site (the site) is located on 126 Bowen Road in Bennington, Bennington County, Vermont (VT). [See Appendix A – Figures (Figure 1 – Site Location Map).] The site was a former capacitor and transformer manufacturing facility that has been unoccupied since Jard declared bankruptcy in 1989.

The site encompasses approximately 14 acres and includes a vacant 120,000-square-foot building; paved parking areas; grass and lightly wooded areas surrounded by a compromised chain-link fence; and a larger undeveloped wooded area outside of the chain-link fence, extending south to the Roaring Branch of the Walloomsac River (Roaring Branch) and west to adjacent properties. [See Appendix A – Figures (Figure 2 – Site Diagram).] The site is zoned as Industrial property.

Prior to 1969, the property consisted of undeveloped woodlands. The site operated from 1969 to 1986, producing capacitors, non-fluid transformers, and motors used in household appliances. A variety of hazardous wastes were generated at the site in association with its manufacturing processes, including polychlorinated biphenyls (PCBs); a variety of volatile organic compounds (VOCs), including trichloroethylene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), and toluene; semivolatile organic compounds (SVOCs), including bis-2-ethylhexyl phthalate (DEHP); waste hydraulic and lubricating oils; waste paints and varnishes; waste zinc oxide; waste-contaminated rejected capacitors; spent SpeediDri$_{TM}$; and PCB- and phthalate-contaminated wastewater.

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In February 2005, the Town of Bennington, planning to take title of the Jard property by tax sale, was awarded EPA funding to conduct a Targeted Brownfields Assessment (TBA) at the site as administrated through a grant to the Vermont Department of Environmental Conservation (VT DEC) Brownfields Program. Stone Environmental, Inc. (Stone) was awarded a contract by VT DEC to conduct the TBA.

During August 2005, Stone conducted the TBA and investigated the surficial features of the Site, with a goal of expediting site re-use.

The TBA revealed widespread PCB contamination of interior building materials; a soil gas plume (trichlorofluoromethane) beneath the concrete slab; SVOC, VOC, and PCB contamination in the sub-slab soils; PCB contamination in exterior surface soil and deep [2.5 to 5.0 feet below ground surface (bgs)] vadose zone soils; PCB contamination in shallow overburden groundwater; and migration of a co-mingled groundwater plume from where it had been observed during previous investigations. In addition, the TBA confirmed impact to the Town of Bennington municipal sanitary sewer system by site-related PCBs. There was also PCB contamination detected in interior wall surface (wipe) samples at 3,400 micrograms (µg) per 100 square centimeters.

On 19 May 2006, EPA, START, and a VT DEC representative conducted a site reconnaissance to determine the sample activities for the June 2006 event. It was determined based on VT DEC sample results from August 2005 that approximately 1/3 of the sample locations would be recreated and collected as confirmatory samples and analyzed on site by VT DEC subcontractor, Stone.

Sampling Activities

On 13 June 2006, OSC Allen Jarrell and START members Alysha Thompson, Bonnie Mace, Eric Ackerman, and Shalu Shelat arrived at the site to conduct Removal Program Preliminary Assessment/Site Investigation (PA/SI) activities. All personnel reviewed and signed the site Health and Safety Plan (HASP), which had been prepared as a separate document, entitled *Weston Solutions, Inc., Region 1 START Health and Safety Plan for the Jard Company Inc Site, Bennington, Bennington County, Vermont*, dated May 2006. START personnel established a support zone and calibrated air monitoring instruments, including a photoionization detector/flame ionization detector (PID/FID) combination unit and a combustible gas indicator/oxygen meter (CGI/O_2). Ambient conditions were recorded in the site HASP as follows: PID = 0.0 units; FID = 0.0 units; lower explosive limit (LEL) = 0%; and oxygen (O_2) = 20.9%. During site activities, START personnel photodocumented site conditions (see Appendix B – Photodocumentation Log).

START members Thompson and Ackerman conducted a reconnaissance of the interior of the buildings to establish the concrete floor sample locations and the wipe sample locations using the

map created by VT DEC contractor, Stone. [See Appendix A – Figure 3 - Sample Location Map (Interior).] START members Mace and Shelat conducted a reconnaissance of the exterior of the building to establish the surface soil and subsurface soil sample locations using the Global Positioning System (GPS) Waypoint Navigation feature and using the GPS locations documented by Stone during the August 2005 sampling event. [See Appendix A – Figure 3A - Sample Location Map (Exterior).]

At the conclusion of the interior and exterior reconnaissance, 16 concrete floor sample locations, five wipe sample locations, 26 surface soil sample locations, and five subsurface soil sample locations were established for on-site PCB analysis, which was conducted by Stone.

START members Thompson and Ackerman collected the five wipe samples adjacent to the locations collected by Stone in August 2005 and delivered the samples to the on-site mobile laboratory. At the conclusion of the wipe sampling event, START member Ackerman began the collection of the concrete floor samples using a rotary hammer to drill cores in the concrete floor. Of the 16 concrete floor samples, START member Ackerman collected 13 due to the battery in the rotary hammer being discharged. The remaining three concrete samples were collected on 14 June 2006. Twenty-six surface soil and five subsurface soil samples were collected by START on 13 June 2006 and delivered to the on-site mobile laboratory.

Of the samples collected and analyzed on site, 10 percent of the samples were sent for confirmatory analysis at the U.S. EPA Office of Environmental Measurement and Evaluation (OEME) Laboratory, located in North Chelmsford, MA. All samples were delivered at the conclusion of site activities. (See Appendix C – Chain-of-Custody Record.)

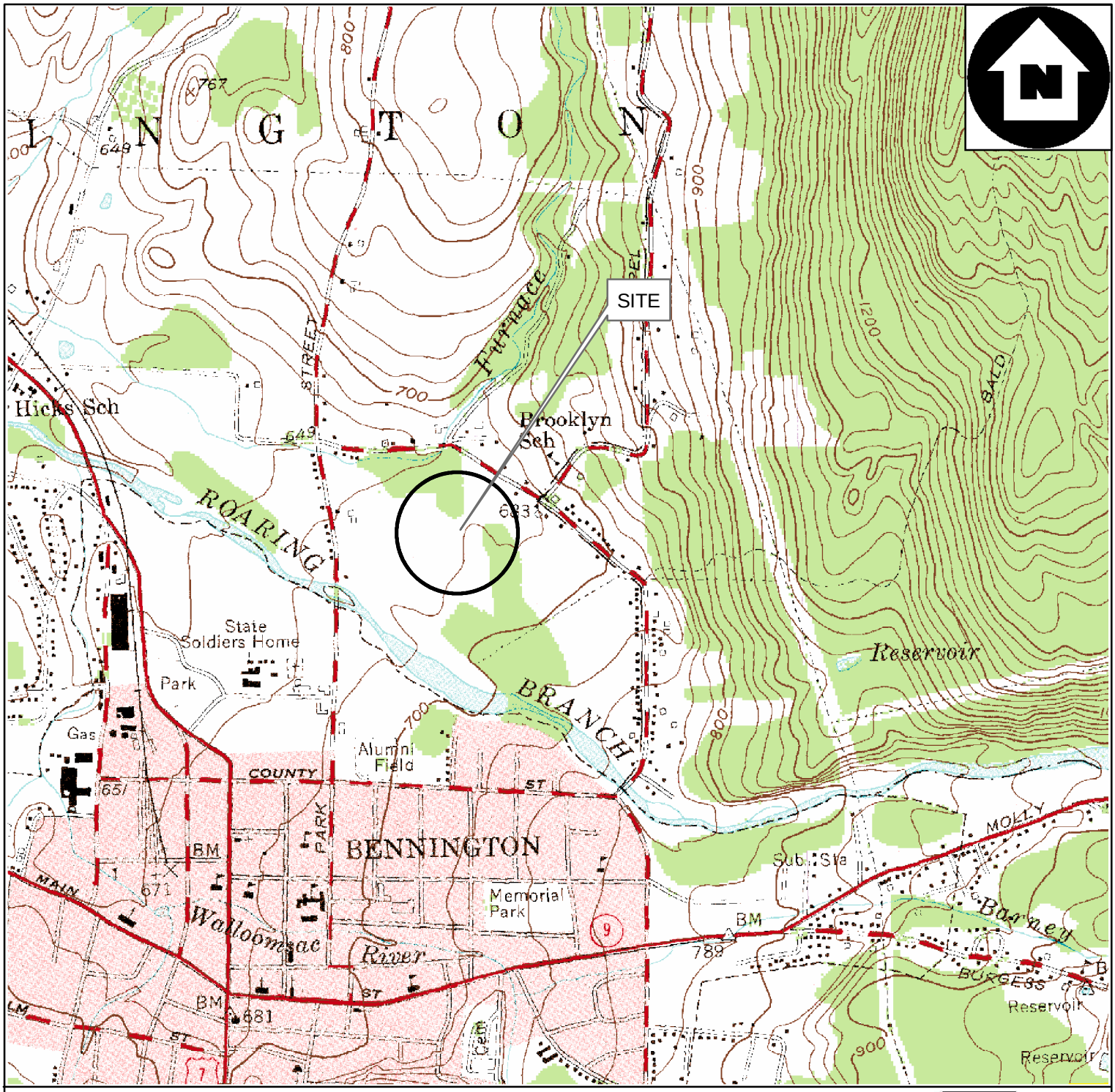
On 17 July 2006, START received the analytical data results from OEME. These data are included in Appendix D - Analytical Data. In addition, PCB Screening Results for Floor and Wipe Samples, Surface Soil Samples, and Subsurface Soil Samples are depicted on Figures 4, 4A, and 4B, respectively.

III. Appendices

Appendix A

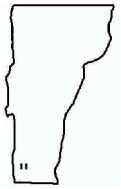
Figures

Figure 1 – Site Location Map
Figure 2 – Site Diagram
Figure 3 – Sample Location Map (Interior)
Figure 3A – Sample Location Map (Exterior)
Figure 4 – PCB Screening Results, Floor and Wipe Samples (Interior)
Figure 4A – PCB Screening Results, Surface Soil Samples
Figure 4B – PCB Screening Results, Subsurface Soil Samples



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS QUADRANGLE(S):
BENNINGTON, VERMONT (1954) QUADRANGLE

0 120 240 480 720 960 1,200 Miles



QUADRANGLE LOCATION

SITE LOCATION MAP

JARD COMPANY, INC.
BOWEN ROAD
BENNINGTON, VERMONT

HRS Reference #46

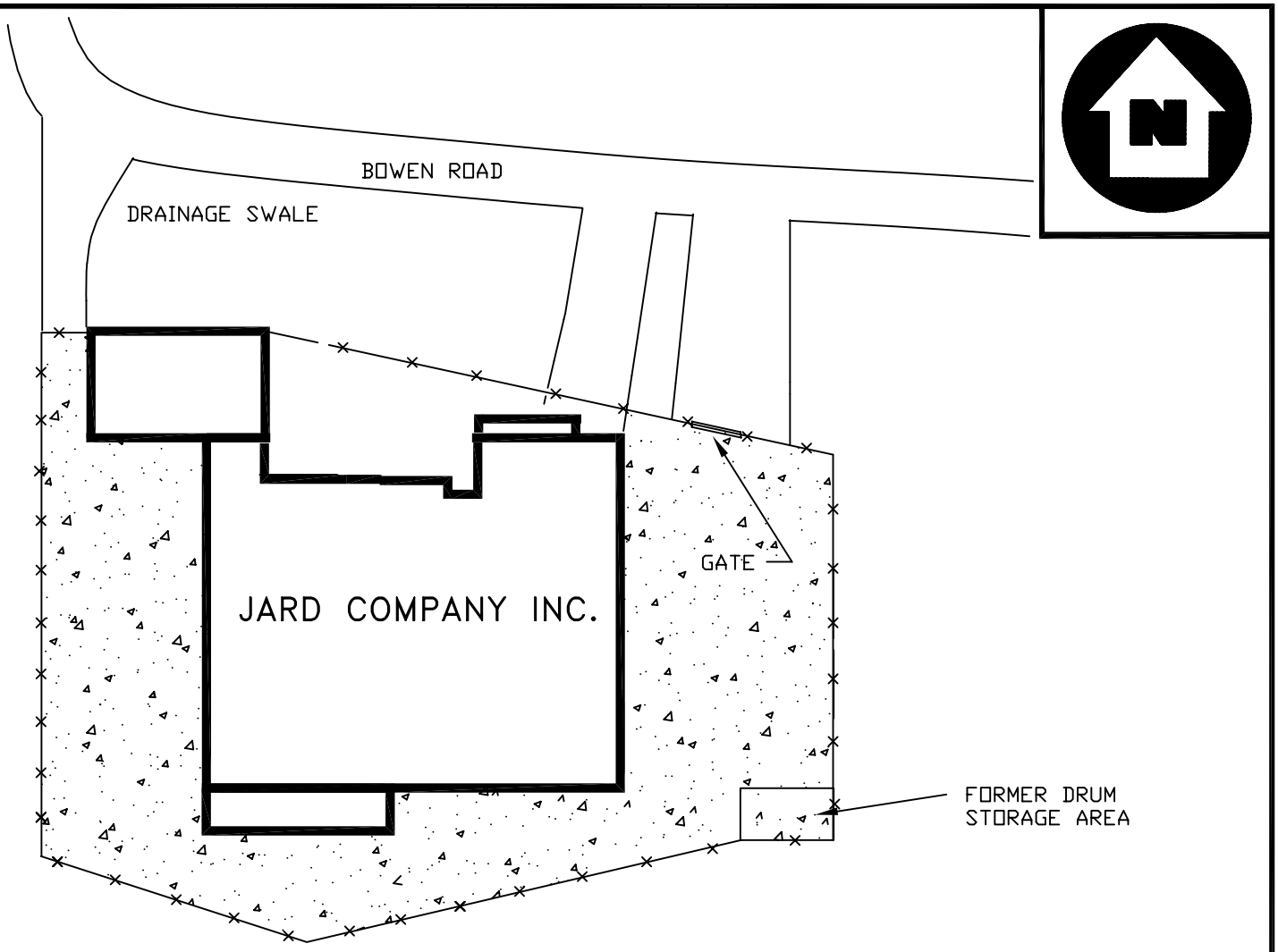
WESTON SOLUTIONS
Restoring Resource Efficiency

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD NUMBER:	CREATED BY:	CREATED ON:
06-05-0003	A. THOMPSON	06/06/2006

FILE LOCATION: E:\Vt_gis\JardCompany\MXDs\Figure 1.MXD

FIGURE 1



NOTE: NOT TO SCALE

LEGEND

CONCRETE PAD

CHAIN-LINK FENCE

AREA TO BE PAVED

SITE DIAGRAM

JARD COMPANY INC.

BOWEN ROAD

BENNINGTON, VERMONT

HRS Reference #46

WESTON SOLUTIONS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06-05-0003	B. MACE	5/16/2006

FILE NAME: R:\06050003\Figures\FIG2.DWG

FIGURE 2

LEGEND

- ● CONCRETE FLOOR SAMPLE LOCATION (NOTE: COLLECTED FROM 6 INCHES BELOW THE FLOOR USING A DRILL)
- □ WIPE SAMPLE LOCATION (NOTE: COLLECTED FROM 2 FEET ABOVE THE FLOOR ON THE WALL)

SAMPLE LOCATION MAP (INTERIOR)

JARD COMPANY INC.

BOWEN ROAD

BENNINGTON, VERMONT

HRS Reference #49

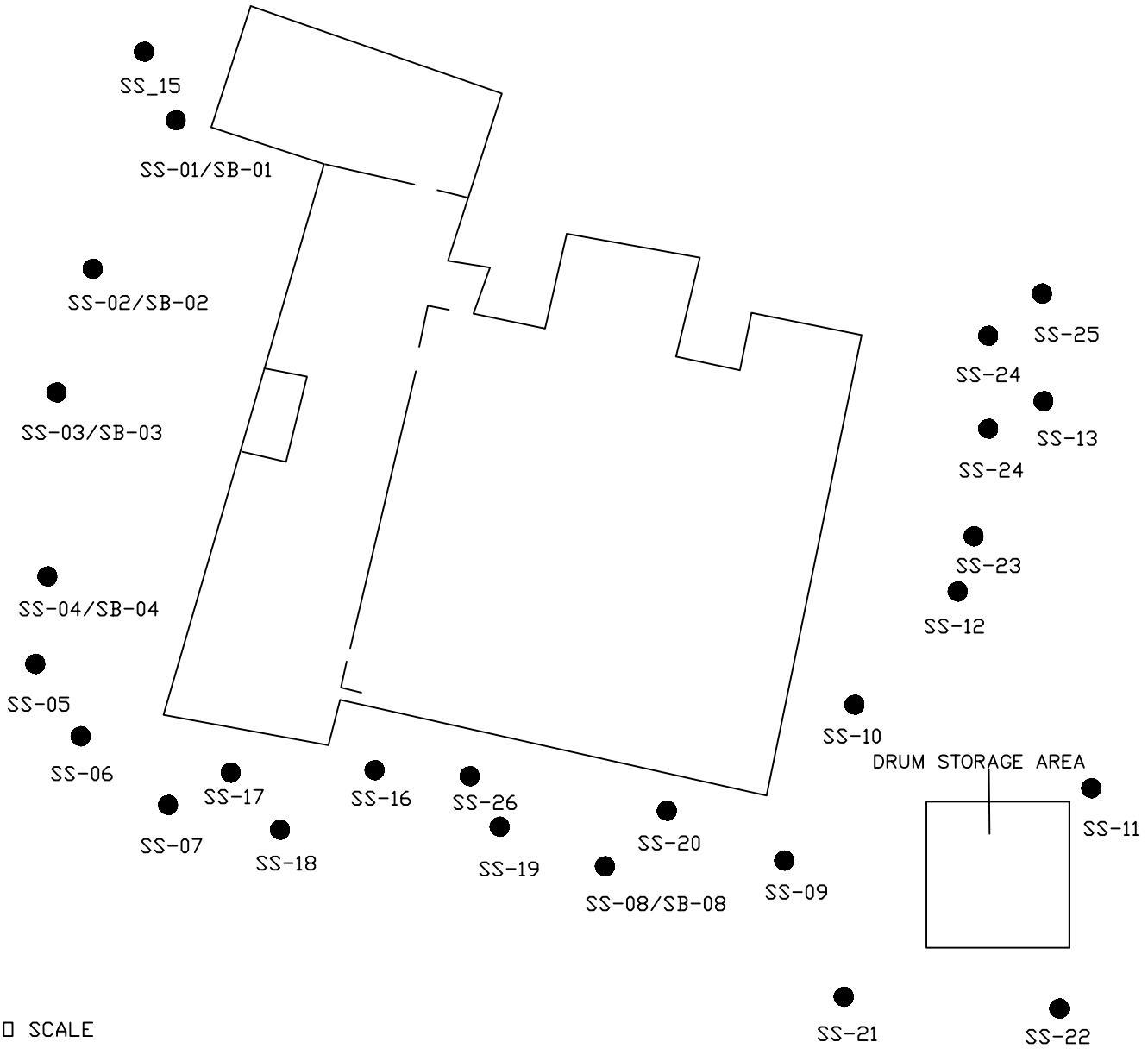
WESTON SOLUTIONS®

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06–05–0003	A.THOMPSON	6/30/06

FILE NAME: R:\06050003\Figures\FIG3.DWG

FIGURE 3



LEGEND

● SOIL SAMPLE LOCATION (NOTE: COLLECTED FROM 6 INCHES BELOW GROUND SURFACE)

SAMPLE LOCATION MAP (EXTERIOR)

JARD COMPANY INC.

BOWEN ROAD

BENNINGTON, VERMONT

HRS Reference #49

WESTON SOLUTIONS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06-05-0003	A.THOMPSON	6/30/06

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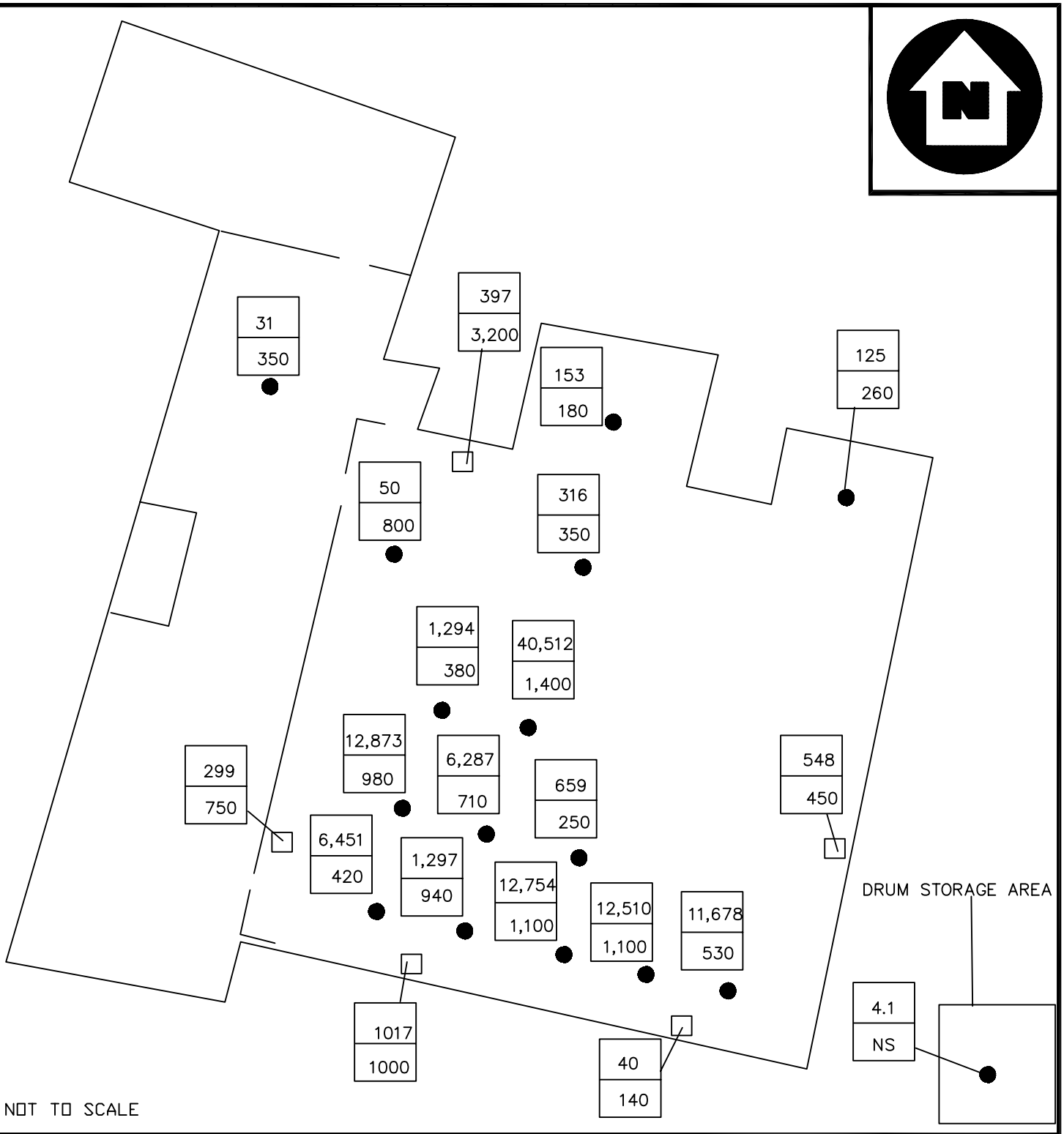
R:\06050003\Figures\FIG3A.DWG	FIGURE 3A



LEGEND

- ● CONCRETE FLOOR SAMPLE LOCATION (mg/Kg)
- □ WIPE SAMPLE LOCATION (ug/100cm2)
- XX / YY — XX JUNE 2006 RESULTS; YY AUGUST 2005 RESULTS
- NS NOT SAMPLED

SAMPLE RESULTS (INTERIOR)

JARD COMPANY INC.

BOWEN ROAD

BENNINGTON, VERMONT

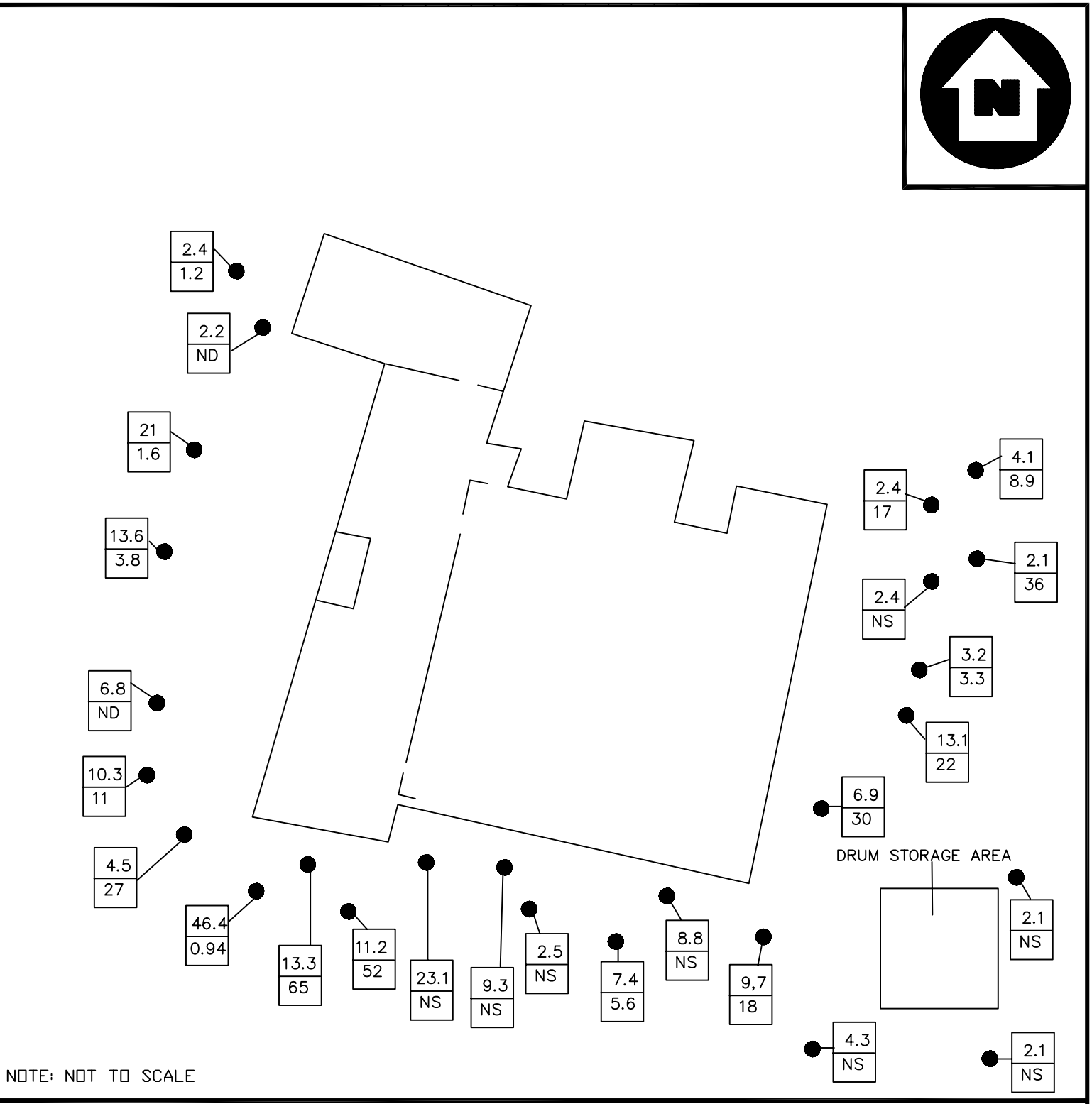
WESTON SOLUTIONS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06-05-0003	A.THOMPSON	6/30/06

FILE NAME: R:\06050003\Figures\FIG4.DWG

FIGURE 4



LEGEND

XX / YY — JUNE 2006 RESULTS / AUGUST 2005 RESULTS

NS — NOT SAMPLED

ND — NON DETECT

● — SOIL SAMPLE LOCATION (mg/Kg)

SAMPLE RESULTS (EXTERIOR/SURFACE)

JARD COMPANY INC.

BOWEN ROAD

BENNINGTON, VERMONT

HRS Reference #49

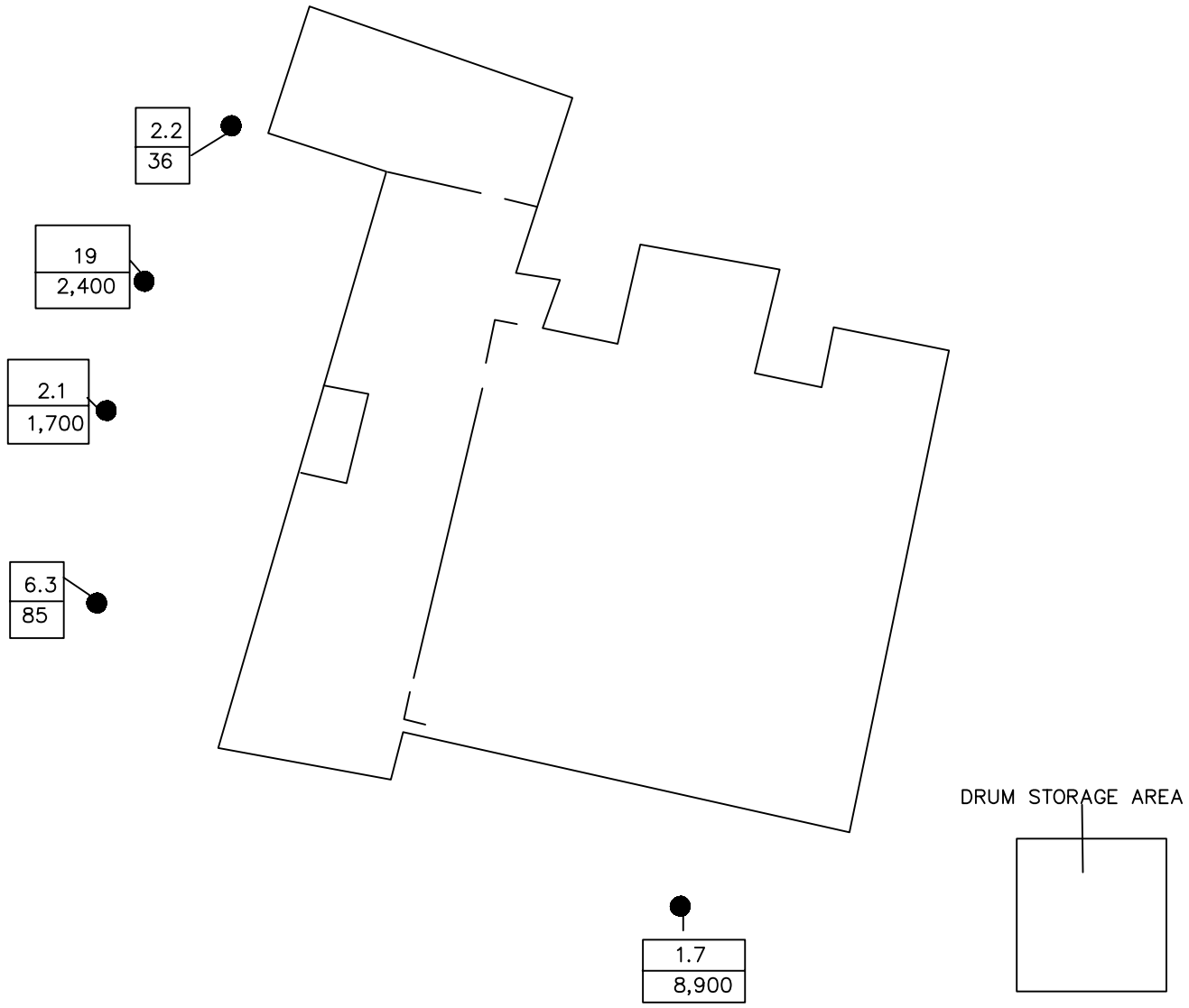
WESTON SOLUTIONS

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06-05-0003	A.THOMPSON	6/30/06

FILE NAME: R:\06050003\Figures\FIG4A.DWG

FIGURE 4A



NOTE: NOT TO SCALE

LEGEND

XX / YY	JUNE 2006 RESULTS / AUGUST 2005 RESULTS
NS	NOT SAMPLED
ND	NON DETECT
●	SOIL SAMPLE LOCATION (mg/Kg)

SAMPLE RESULTS (EXTERIOR/SUBSURFACE)

JARD COMPANY INC.
BOWEN ROAD
BENNINGTON, VERMONT

HRS Reference #49

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD #	DRAWN BY:	DATE
06-05-0003	A.THOMPSON	6/30/06

FILE NAME: R:\06050003\Figures\FIG4A.DWG

FIGURE 4B

Appendix B

Photodocumentation Log

PHOTOGRAPHY LOG SHEET
Jard Company Inc. ● Bennington, Vermont

SCENE: View of the western side of the building. Photograph taken facing south.

DATE: 13 June 2006 **TIME:** 1530 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of surface and subsurface soil sample location SS/SB-01. Photograph taken facing south.

DATE: 13 June 2006 **TIME:** 1531 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Jard Company Inc. ● Bennington, Vermont

SCENE: View of the western side of the building. Photograph taken facing southeast.

DATE: 13 June 2006 **TIME:** 1535 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the western side entrance of the building. Photograph taken facing east.

DATE: 13 June 2006 **TIME:** 1536 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the garage bay area. Photograph taken facing east.

DATE: 13 June 2006 **TIME:** 1537 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the building interior.

DATE: 13 June 2006 **TIME:** 1538 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Jard Company Inc. ● Bennington, Vermont

SCENE: View of the interior of the dry well and soil sample location SS-26.

DATE: 13 June 2006 **TIME:** 1543 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the dry well and soil sample location SS-26. Photograph taken facing north.

DATE: 13 June 2006 **TIME:** 1544 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the southern side of the building. Photograph taken facing east.

DATE: 13 June 2006 **TIME:** 1545 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the southeast entrance of the building. Photograph taken facing west.

DATE: 13 June 2006 **TIME:** 1547 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

PHOTOGRAPHY LOG SHEET
Jard Company Inc. ● Bennington, Vermont

SCENE: View of the drum storage area. Photograph taken facing southeast.

DATE: 13 June 2006 **TIME:** 1550 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the eastern side of the building. Photograph taken facing north.

DATE: 13 June 2006 **TIME:** 1552 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the northeast entrance of the building. Photograph taken facing west.

DATE: 13 June 2006 **TIME:** 1555 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

SCENE: View of the building interior of the Production Area.

DATE: 13 June 2006 **TIME:** 1557 hours
PHOTOGRAPHER: Bonnie Mace **CAMERA:** Nikon CoolPix 3100

Appendix C

Chain-of-Custody Record

JARD COMPANY INC SITE

START III

EPA Contract Number: EP-W-05-042

Weston Solutions Inc.

CHAIN OF CUSTODY RECORD

Site #: 0183

No: 0183-06/26/06-0002

Lab #	Sample #	Location	Sample Time	Analyses	Collected	Matrix	Numb Cont	Container	Preservative	MS/MSD
	0183-0001	WS-01	10:10	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0002	WS-02	10:15	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0003	WS-03	10:20	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0004	WS-04	10:25	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0005	WS-05	10:35	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0006	WS-Blank	10:35	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0007	SS-01	11:15	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0008	SS-02	11:15	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0009	SS-03	11:15	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0010	SS-04	11:20	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0011	SS-05	11:20	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0012	SS-06	11:20	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0013	SS-07	11:25	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0014	SS-08	11:25	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0015	SS-09	11:25	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0016	SS-10	11:30	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0017	SS-11	11:30	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0018	SS-12	11:30	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0019	SS-13	11:35	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N

Special Instructions:	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time

JARD COMPANY INC SITE **CHAIN OF CUSTODY RECORD** **No: 0183-06/26/06-0002**

START III Site #: 0183

EPA Contract Number: EP-W-05-042

Weston Solutions Inc.

Lab #	Sample #	Location	Sample Time	Analyses	Collected	Matrix	Numb Cont	Container	Preservative	MS/MSD
	0183-0020	SS-14	11:35	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0021	SS-15	11:35	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0022	SS-16	11:40	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0023	SS-17	11:40	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0024	SS-18	11:40	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0025	SS-19	11:45	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0026	SS-20	11:45	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0027	SS-21	11:45	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0028	SS-22	11:50	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0029	SS-23	11:55	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0030	SS-26	15:15	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0031	SS-24	11:55	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0032	SS-25	11:55	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0033	Drill Rinsate	12:00	PCBs	6/13/2006		1	40 mL	Hexane	N
	0183-0034	SB-01		PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0035	SB-02	14:20	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0036	SB-03	14:45	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0037	SB-04	14:50	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N
	0183-0038	SB-08	15:00	PCBs	6/13/2006	Soil	1	1-poly bag	4 C	N

Special Instructions:	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time

JARD COMPANY INC SITE

START III

EPA Contract Number: EP-W-05-042

Weston Solutions Inc.

CHAIN OF CUSTODY RECORD

Site #: 0183

No: 0183-06/26/06-0002

Lab #	Sample #	Location	Sample Time	Analyses	Collected	Matrix	Numb Cont	Container	Preservative	MS/MSD
	0183-0039	FS-11	11:45	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0040	FS-12	12:00	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0041	FS-13	12:15	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0042	FS-14	12:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0043	FS-15	12:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0044	FS-01	14:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0045	FS-05	14:45	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0046	FS-09	13:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0047	FS-06		PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0048	FS-07	13:00	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0049	FS-08	15:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0050	FS-02	15:45	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0051	FS-10	14:30	PCBs	6/13/2006	Concrete	1	1-poly bag	4 C	N
	0183-0055	FS-03	07:45	PCBs	6/14/2006	Concrete	1	1-poly bag	4 C	N
	0183-0056	FS-04	07:55	PCBs	6/14/2006	Concrete	1	1-poly bag	4 C	N
	0183-0057	FS-16	08:10	PCBs	6/14/2006	Concrete	1	1-poly bag	4 C	N

Special Instructions:	**SAMPLES TRANSFERRED FROM**
	CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time		Items/Reason	Relinquished By	Date	Received by	Date	Time

Appendix D

Analytical Data

Field Screening Data

STONE ENVIRONMENTAL INC

Onsite Laboratory Results Sheet

Client: **VT DEC**
Location: **Bennington, Vermont**
Project ID: **Jard Onsite PCB Lab**
SEI #: **06-1782**
Date(s) Sampled: **6/13/2006**
Date(s) Analyzed: **6/13/06 - 6/15/06**
Test Method: **EPA8082**
Report Date: **6/26/2006**

Sample	Soil Mass (dry)	% moisture	Dilution factor	Result mg/Kg dry		Result ug/ 100cm^2	Surrogate % Recovery	Aroclor
Wipe samples								
ws-blank	NA	NA	1	NA		40 U	70	1248
ws-01	NA	NA	10	NA		548	140	1248
ws-02	NA	NA	10	NA		1017	120	1248
ws-03	NA	NA	10	NA		299	120	1248
ws-04	NA	NA	10	NA		397	120	1248
ws-05	NA	NA	10	NA		113	120	1248
Soil Samples								
ss-01	9.31	5%	10	2.2	U	NA	110	1248
ss-02	9.04	9%	10	21.0		NA	110	1248
ss-03	9.34	5%	10	13.6		NA	120	1248
ss-04	8.79	8%	10	6.8		NA	120	1248
ss-05	8.98	9%	10	10.3		NA	120	1248
ss-06	8.79	10%	10	4.5		NA	120	1248
ss-07	8.9	8%	10	46.4		NA	110	1248
ss-08	9.27	7%	10	7.4		NA	130	1248
ss-09	9.28	7%	10	9.7		NA	130	1248
ss-10	9.47	4%	10	6.9		NA	130	1248
ss-11	8.97	5%	10	2.1	U	NA	110	1248
ss-12	6.72	29%	10	13.1		NA	110	1248
ss-13	9.23	8%	10	2.1	U	NA	90	1248
ss-14	9.26	9%	10	2.3	U	NA	90	1248
ss-15	7.92	20%	10	2.4	U	NA	100	1248
ss-16	8.88	11%	10	23.1		NA	110	1248
ss-17	9.15	9%	10	13.3		NA	100	1248
ss-18	8.17	18%	10	11.2		NA	90	1248
ss-19	8.36	17%	10	2.5	U	NA	100	1248
ss-20	9.01	10%	10	8.8		NA	110	1248
ss-21	9.14	8%	10	4.3		NA	94	1248
ss-22	9.28	6%	10	2.1	U	NA	97	1248
ss-23	9.04	9%	10	3.2		NA	93	1248
ss-24	8.88	11%	10	2.4	U	NA	88	1248
ss-25	7.57	23%	10	4.1		NA	84	1248
ss-26	7.83	22%	10	9.3		NA	86	1248
sb-01	9.16	9%	10	2.2	U	NA	94	1248
sb-02	9.25	8%	10	19.0		NA	97	1248
sb-03	9.34	7%	10	2.1	U	NA	72	1248
sb-04	8.95	10%	10	6.3		NA	60	1248
sb-08	8.36	16%	10	1.7		NA	85	1248

Onsite Laboratory Results Sheet

Client: **VT DEC**
Location: **Bennington, Vermont**
Project ID: **Jard Onsite PCB Lab**
SEI #: **06-1782**
Date(s) Sampled: **6/13/2006**
Date(s) Analyzed: **6/13/06 - 6/15/06**
Test Method: **EPA8082**
Report Date: **6/26/2006**

Sample	Soil Mass (dry)	% moisture	Dilution factor	Result mg/Kg dry		Result ug/ 100cm^2	Surrogate % Recovery	Aroclor
Floor samples								
fs-01	NA	NA	100	659		NA	NQ	1242
fs-02	NA	NA	1000	12,754	E	NA	NQ	1242
fs-03	NA	NA	10000	12,510		NA	NQ	1242
fs-04	NA	NA	100	11,678	E	NA	NQ	1242
fs-05	NA	NA	100	1,297	E	NA	NQ	1242
fs-06	NA	NA	1000	6,451		NA	NQ	1242
fs-07	NA	NA	1000	12,873		NA	NQ	1242
fs-08	NA	NA	1000	6,287		NA	NQ	1242
fs-09	NA	NA	10000	40,512		NA	NQ	1242
fs-10	NA	NA	1000	1,294		NA	NQ	1242
fs-11	NA	NA	10	50		NA	80	1242
fs-12	NA	NA	1000	316		NA	NQ	1242
fs-13	NA	NA	100	125		NA	NQ	1242
fs-14	NA	NA	100	153		NA	NQ	1242
fs-15	NA	NA	100	31		NA	NQ	1242
fs-16	NA	NA	10	4.1		NA	53	1242
Misc. samples								
drill rinsate	NA	NA	1	NA		40 U	62	1242

U = Not detected above the specified reporting limit.
E = Estimated value, marginally above the calibration levels
NA = Not applicable to sample
NQ = Surrogate recovery not quantitated due to necessary dilution of surrogate

Confirmatory Analytical Data

EPA
Region 1, New England

United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

June 24, 2006

Allen Jarrell - HBR
US EPA New England Region 1
One Congress Street
Boston, MA 02114 - 2023

Project Number: 06060030
Project: Jard Company Inc. - Bennington, VT
Analysis: PCBs Medium Level in Soils and Sediments
Analyst: Paul Carroll Pcarroll 6.24.06

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, PESTSOIL2.SOP.

The analysis was performed using high resolution capillary column chromatography on an Agilent 6890 Series gas chromatograph equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701, both with 0.25mm ID and 0.25 micron film thickness.

The results are reported on a dry weight basis.

Date Samples Received by the Laboratory: 6/14/06

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Daniel N. Boudreau 6/28/06
Daniel N. Boudreau
Chemistry Team Leader

Qualifiers

RL	Reporting limit
ND	Not Detected above Reporting limit
NA	Not Applicable due to high sample dilutions or sample interferences
J	Estimated value
E	Estimated value exceeds the calibration range
L	Estimated value is below the calibration range
B	Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
P	The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
C	The identification has been confirmed by GC/MS.
R	No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19472	Lab Sample ID:	AA61534
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	91%
Dry Weight Extracted:	4.61 grams	Extract Dilution:	2
Wet Weight Extracted:	5.04 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.22	
11104-28-2	Aroclor-1221	ND	0.22	
11141-16-5	Aroclor-1232	ND	0.22	
53469-21-9	Aroclor-1242	**0.45**	0.22	
12672-29-6	Aroclor-1248	ND	0.22	
11097-69-1	Aroclor-1254	ND	0.22	
11096-82-5	Aroclor-1260	ND	0.22	
11100-14-4	Aroclor-1262	ND	0.22	
37324-23-5	Aroclor-1268	ND	0.22	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	62	36 - 131
Decachlorobiphenyl	97	30 - 165

Comments: The GC trace for this sample most closely matched that of Aroclor 1242. However the pattern was not an exact match and showed a weathered pattern.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19473	Lab Sample ID:	AA61535
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	88%
Dry Weight Extracted:	4.44 grams	Extract Dilution:	20
Wet Weight Extracted:	5.06 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	2.20	
11104-28-2	Aroclor-1221	ND	2.20	
11141-16-5	Aroclor-1232	ND	2.20	
53469-21-9	Aroclor-1242	**11**	2.20	
12672-29-6	Aroclor-1248	ND	2.20	
11097-69-1	Aroclor-1254	ND	2.20	
11096-82-5	Aroclor-1260	ND	2.20	
11100-14-4	Aroclor-1262	ND	2.20	
37324-23-5	Aroclor-1268	ND	2.20	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	126	30 - 165

Comments: The GC trace for this sample most closely matched that of Aroclor 1242. However the pattern was not an exact match and showed a weathered pattern.

The surrogate recoveries are estimated, the 20X dilution brought the values below the calibration curve.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19474	Lab Sample ID:	AA61536
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	92%
Dry Weight Extracted:	4.68 grams	Extract Dilution:	1
Wet Weight Extracted:	5.07 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	**1.6**	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	**0.33**	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	77	36 - 131
Decachlorobiphenyl	95	30 - 165

Comments: The GC trace for this sample most closely matched that of Aroclor 1242. However the pattern was not an exact match and showed a weathered pattern.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19475	Lab Sample ID:	AA61537
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	84%
Dry Weight Extracted:	4.22 grams	Extract Dilution:	2
Wet Weight Extracted:	5.01 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.24	
11104-28-2	Aroclor-1221	ND	0.24	
11141-16-5	Aroclor-1232	ND	0.24	
53469-21-9	Aroclor-1242	**1.4**	0.24	P
12672-29-6	Aroclor-1248	ND	0.24	
11097-69-1	Aroclor-1254	ND	0.24	
11096-82-5	Aroclor-1260	ND	0.24	
11100-14-4	Aroclor-1262	ND	0.24	
37324-23-5	Aroclor-1268	ND	0.24	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	82	36 - 131
Decachlorobiphenyl	111	30 - 165

Comments: The GC trace for this sample most closely matched that of Aroclor 1242. However the pattern was not an exact match and showed a weathered pattern.

P = The % difference between the primary and confirmation columns was greater than 35% (62%), the lower value was reported. The values were 2.7 mg/Kg DB-5 column and 1.4 mg/Kg DB-1701 column.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19476	Lab Sample ID:	AA61538
Date of Collection:	6/13/2006	Matrix	Concrete
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	94%
Dry Weight Extracted:	4.76 grams	Extract Dilution:	20,000
Wet Weight Extracted:	5.04 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	**32,000**	210.00	
11104-28-2	Aroclor-1221	ND	210.00	
11141-16-5	Aroclor-1232	ND	210.00	
53469-21-9	Aroclor-1242	ND	210.00	
12672-29-6	Aroclor-1248	ND	210.00	
11097-69-1	Aroclor-1254	ND	210.00	
11096-82-5	Aroclor-1260	ND	210.00	
11100-14-4	Aroclor-1262	ND	210.00	
37324-23-5	Aroclor-1268	ND	210.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: This sample was an exact match with Aroclor 1016. Aroclor 1016 is very similar in composition to Aroclor 1242, and some laboratories report them out as a common analyte ie: 1016/1242

Surrogate recoveries could not be determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19477	Lab Sample ID:	AA61539
Date of Collection:	6/13/2006	Matrix	Concrete
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	96%
Dry Weight Extracted:	4.84 grams	Extract Dilution:	20,000
Wet Weight Extracted:	5.04 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	**19,000**	210.00	
11104-28-2	Aroclor-1221	ND	210.00	
11141-16-5	Aroclor-1232	ND	210.00	
53469-21-9	Aroclor-1242	ND	210.00	
12672-29-6	Aroclor-1248	ND	210.00	
11097-69-1	Aroclor-1254	ND	210.00	
11096-82-5	Aroclor-1260	ND	210.00	
11100-14-4	Aroclor-1262	ND	210.00	
37324-23-5	Aroclor-1268	ND	210.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: This sample was an exact match with Aroclor 1016. Aroclor 1016 is very similar in composition to Aroclor 1242, and some laboratories report them out as a common analyte ie: 1016/1242

Surrogate recoveries could not be determined due to sample dilution.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19478	Lab Sample ID:	AA61540
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	100%
Dry Weight Extracted:	5.04 grams	Extract Dilution:	100
Wet Weight Extracted:	5.06 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	9.90	
11104-28-2	Aroclor-1221	ND	9.90	
11141-16-5	Aroclor-1232	ND	9.90	
53469-21-9	Aroclor-1242	ND	9.90	
12672-29-6	Aroclor-1248	ND	9.90	
11097-69-1	Aroclor-1254	ND	9.90	
11096-82-5	Aroclor-1260	**190**	9.90	
11100-14-4	Aroclor-1262	ND	9.90	
37324-23-5	Aroclor-1268	ND	9.90	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	NA	36 - 131
Decachlorobiphenyl	NA	30 - 165

Comments: Surrogate recoveries could not be determined due to sample dilution.

This sample was a PE sample, TT02829.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19479	Lab Sample ID:	AA61541
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	99%
Dry Weight Extracted:	5.01 grams	Extract Dilution:	10
Wet Weight Extracted:	5.04 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	1.00	
11104-28-2	Aroclor-1221	ND	1.00	
11141-16-5	Aroclor-1232	ND	1.00	
53469-21-9	Aroclor-1242	ND	1.00	
12672-29-6	Aroclor-1248	**5.1**	1.00	
11097-69-1	Aroclor-1254	ND	1.00	
11096-82-5	Aroclor-1260	ND	1.00	
11100-14-4	Aroclor-1262	ND	1.00	
37324-23-5	Aroclor-1268	ND	1.00	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	91	36 - 131
Decachlorobiphenyl	107	30 - 165

Comments: This sample was a PE sample TT01321.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

PCBs Medium Level in Soils and Sediments

Client Sample ID:	D19480	Lab Sample ID:	AA61542
Date of Collection:	6/13/2006	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/23/06	Percent Solids:	99%
Dry Weight Extracted:	5.02 grams	Extract Dilution:	1
Wet Weight Extracted:	5.05 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	**1.0**	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	88	36 - 131
Decachlorobiphenyl	125	30 - 165

Comments: This sample was a PE sample TT2222

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Jard Company Inc. - Bennington, VT

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	6/14/06	Final Volume:	5 mL
Date of Analysis:	6/20/06	Percent Solids:	100%
Dry Weight Extracted:	5.71 grams	Extract Dilution:	1
Wet Weight Extracted:	5.71 grams		

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	54	36 - 131
Decachlorobiphenyl	100	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

PCB MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

Baldwinville Residential Properties

Sample ID: AA61442

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1254	0.63	ND	0.572	91.37	70 - 130

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION mg/Kg	MSD % REC	RPD %	QC LIMITS RPD
Aroclor-1254	0.65	0.620	94.80	4	

Samples in Batch: AA61439, AA61440, AA61441, AA61442

Comments: The Jard Company, Inc. samples (PN06060030) were extracted with samples from the above referenced project (PN06060027) and these QC sample results are shared by both projects. Jard samples in this batch included AA61534, AA61535, AA61536, AA61537, AA61538, AA61539, AA61540, AA61541, AA61542.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

LABORATORY DUPLICATE RESULTS

Baldwinville Residential Properties

Sample ID: AA61442

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND	ND	50
Aroclor-1221	ND	ND	ND	50
Aroclor-1232	ND	ND	ND	50
Aroclor-1242	ND	ND	ND	50
Aroclor-1248	ND	ND	ND	50
Aroclor-1254	ND	ND	ND	50
Aroclor-1260	ND	ND	ND	50
Aroclor-1262	ND	ND	ND	50
Aroclor-1268	ND	ND	ND	50